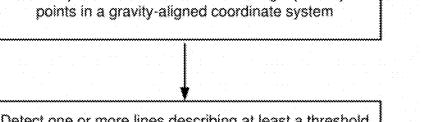
802

804

806

Obtain a point cloud of a scene including a plurality of



Detect one or more lines describing at least a threshold number of points of the plurality of points projected to a common height in the gravity-aligned coordinate system

Generating one or more vertical plane hypotheses based on the one or more lines

Figure 8